DATA CENTER OPERATIONS BRANCH

NDS OPERATIONS PROCEDURE MANUAL
NO. P-C001

APPLICATIONS SOFTWARE
13 April 1983

CABLE REPORTS FILE ARCHIVE

SYMBOLIC TITLE: CRFARCH
PROGRAMMER:

STAT

Program CRFARCH

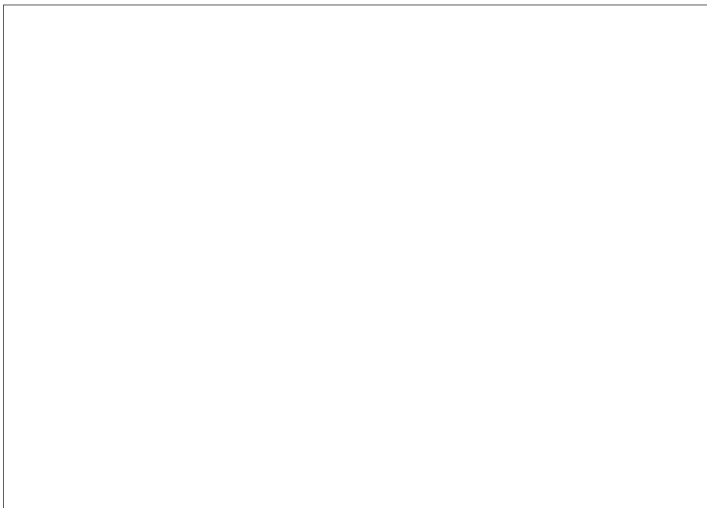Date 24 November 1981

APPROVALS

This operations manual has been reviewed and approved by the following persons:

STAT

4 Feb82
(date)

2/5/82
(date)

Program CRFARCH

Date 24 November 1981

CONTENTS

Program ___CRFARCH___

Date _24 November 1981_

SUMMARY

CRFARCH archives the CRF file to a history tape, then purges it from the data base. Only the oldest day is archived for each execution of CRF archive. To archive N days would require N starts of the program.

ADMINISTRATIVE-INTERNAL USE ON

Program CRFARCH

Date   24 November 1981

OPERATIONAL FLOW CHART
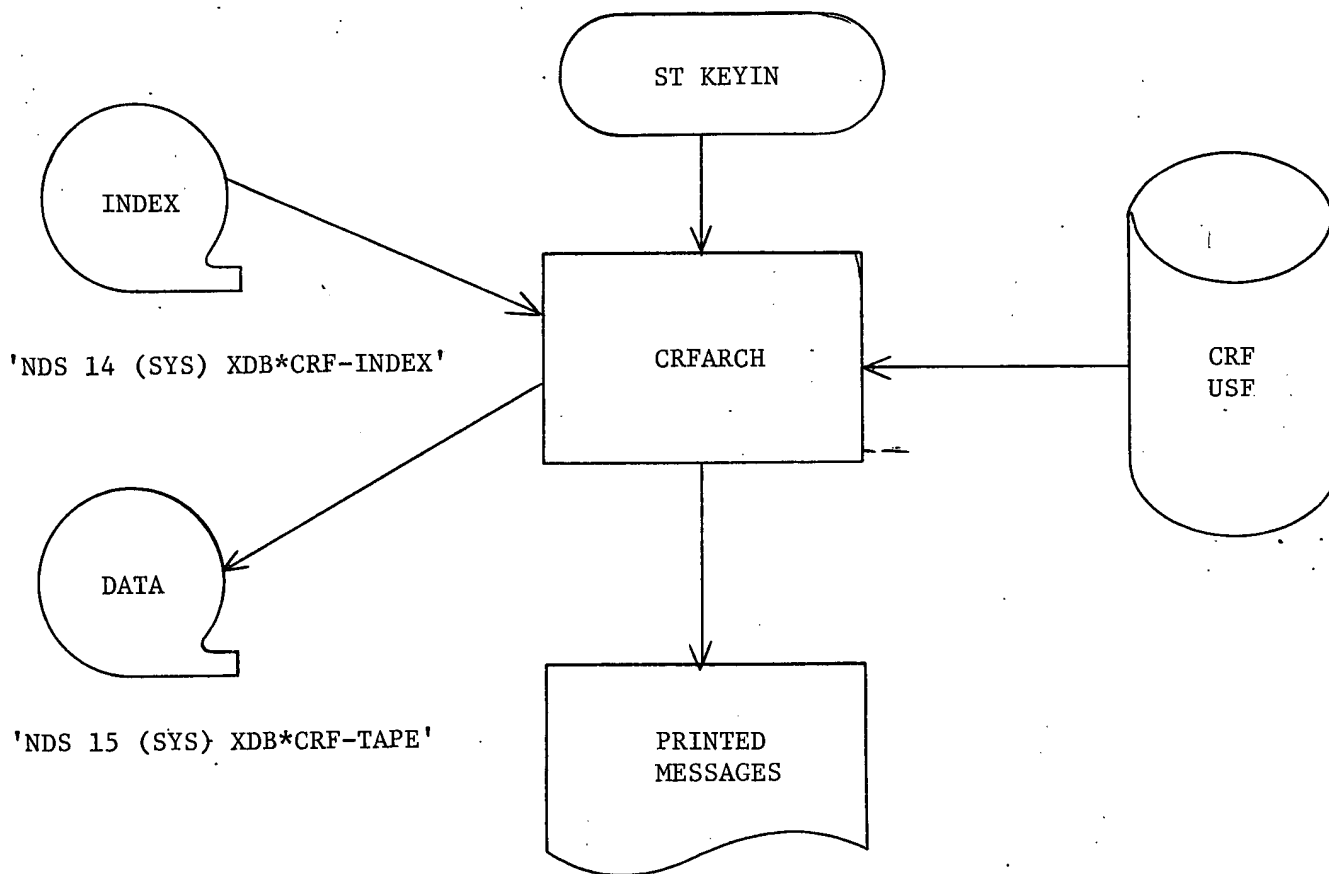
ST KEYIN

INDEX

'NDS 14 (SYS) XDB*CRF-INDEX'

CRFARCH

CRF
USF

DATA

'NDS 15 (SYS) XDB*CRF-TAPE'

PRINTED
MESSAGES

ADMINISTRATIVE-INTERNAL USE ONLY

Program <u>CRFARCH</u>

Date <u>24 November 1981</u>

COMPUTER RUN PREPARATION

CONSOLE INPUT

ST XDB*P$RUN.CRFARCH/XQT

Program CRFARCH

Date 24 November 1981

MAGNETIC TAPE INPUT

Contents and Description of Tape Data

Type of Unit (7 Track or 9 Track)

      9-track tape

Standard Tape Label: 'NDS 14 (SYS) XDB*CRF-INDEX'
                  (to be inserted by programmer)

Label Block File Name:

Mode: 1600BPI

Code: ASCII

Record and Block Size: 29 characters per record/1 record per block

File Sequence: Sequential

Source Program:

Source Component:

Disposition:

Restrictions:

Quantity:

Program CRFARCH

Date 24 November 1981

MAGNETIC TAPE OUTPUT

Contents and Description of Tape Data

Variable length records from 1 to 299 characters per block

Unit

   9-track tape

Standard Tape Label: 'NDS 15 (SYS) XDB*CRF-TAPE'
                           (to be inserted by programmer)

Label Block File Name:

Mode: 1600 BPI

Code: ASCII

Record and Block Size: 1 to 10 records per block

File Sequence:

Source Component:

Disposition:

Retention Period:

Restrictions:

Quantity:

Program __CRFARCH__

Date __24 November 1981__

HIGH-SPEED PRINTER OUTPUT

Identification: CRFARCH

Format:

Type of Form:

Disposition:

    1. Contains summary statistics.

    2. Successful completion message.

    3. Abort procedures and error condition.

    4. Return listing to Data Base Section through TSS.

Program CRFARCH

Date 24 November 1981

PROGRAM LOADING

Type of Program: Batch/DMS

Start Keyin:

Run ID:

DMR ID:

ECRT:

General Equation -

Sample Estimate -

FINAL CHECK SUMMARY

1. Runstream loaded via an ST KEYIN.

2. Requires two tapes (index and data).

3. Upon completion of run, save tapes.

COMPUTER RUN PREPARATION SUMMARY

Assembly System: SPURT FD _____ SPRYE _____ ALGOL _____ FORTRAM IV _____ COBOL ___x___ SIMSCRIPT _____

Hardware System: __UNIVAC 1100/80_____ Run Sequence ____1____ of ____1____

Application: _____ Program Name __CRFARCH____ Programmer [   ] Core: Min ____ Max STAT

Drum: __CRF and USF files_____ Estimated Run Time: _____

MAGNETIC TAPE (File Protect All Output Tapes)

Logical Servo No.
or Symbolic Name   1100 9-track drive _____
    Work
  Input/Output   input _____
Standard Tape
Labels   XDB*CRF-TAPE
                         XDB*CRF-INDEX

Disposition: Reten-
Save, List, & tion
Release   Period   1 year _____
Next Phase
[Prog. Name(s)] _____

INPUT

_____ Data Cards - Prog. Controlled (Volume) _____
_____ Parameters - Prog. Controlled (Volume) _____
_____ Parameters - Oper. Load as Errata (Volume) _____
_____ Paper Tape (Volume) _____
                                    OUTPUT   On ___ Off ___ Line _____
1004 Board Name (no.) _____ Carriage Tape _____ Off Line Estimated Run Time: _____
                                                                                        (Hours & Tenths)
Printer (Type Paper/No. of Copies) _____

Cards on ___ Off ___ Line: _____ Plotter On ___ Off ___ Line: _____
    (Volume)   (Amount of paper in feet)
Other On ___ Off ___ Line: _____
    (Volume)

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Program   CRFARCH

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ON-LINE COMPUTER PROCESSING

EQUIPMENT REQUIREMENTS

Computer: UNIVAC 1100

Schema Used:

Storage:

     Core Required -

     I Bank   - 17176

     D Bank   - 3315

Peripheral Devices:
         2 - 9-track tape drives
         1 - operator console

Restrictions:

Files Accessed:

Files Created/Deleted:

File Size:

Approximate Number of Accesses:

Program <u>CRFARCH</u>

Date <u>24 November 1981</u>

NORMAL RUN INSTRUCTIONS

Initiation: ST XDB*CRFARCH/XQT

<u>Console Message</u>	<u>Operator Action</u>
1. CRF ARCHIVAL IS ABOUT TO BEGIN	
2. DMS RUN, UPDATE, CRF, FLEWELLING, X3313, NEED 2 TP DRIVES	Respond with a space.
3. NUMBER OF CBL-DAT-REC RECORDS DELETED = #	
4. CRFARCH TASK SUCCESSFULLY COMPLETED	
5. CRFARCH HAS BEEN SCHEDULED TO RUN AT 1830 HRS	When these messages appear, there program has completed successfully.
6. CRF TAPE INDEX HAS BEEN SUCCESS-FULLY BACKED UP	
7. THE END OF TAPE HAS BEEN REACHED FOR CRF TAPE – REEL NUMBER = XXXXXX. BEFORE TAPE SWAP – PLEASE KEY IN NEXT REEL NUMBER FOR CRF ARCHIVAL (6 CHARACTERS MAXIMUM).	Key in the text CRF FILE ARCHIVAL REEL NUMBER. Enter from 1 to 6 characters/numbers for the reel number. Do not preceed the number with spaces or zeroes. Return old reel to tape library.
8. ARE YOU SURE THE REEL NUMBER IS CORRECT? TYPE Y TO CONTINUE OR N IF THE NUMBER WAS WRONG.	Key in Y or N. If N is typed in, CONSOLE MESSAGE #9 will reappear again.
9. SAVE THIS NEXT TAPE FOR CRF FILE ARCHIVAL[[[DISMOUNT REEL XXXXXX AND REPLACE WITH REEL XXXXXX. REMOVE WRITE RING FROM REEL. END-OF-REEL PROCESSING COMPLETE.	The tape for which the reel number was previously keyed in will be considered to be the current reel. Be sure to label this current reel. Remove the write ring from the 'old' reel. Leave in the write ring for the 'new' or current reel.

NORMAL RUN INSTRUCTIONS (Continued)

Console Message	Operator Action
10. BEFORE CONTINUING PLEASE KEY IN REEL NUMBER USED.	Answer with the index tape number used.
11. IS TAPE # THE CURRENT INDEX TAPE	Answer Y to continue or N to rewind the tape and call for the tape again.

Program <u>CRFARCH ·</u>

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ABNORMAL RUN INSTRUCTIONS

Console Message	Operator Action
1. CRF ARCHIVAL ERROR (SUBROUTINE NAME) ERROR OCCURRED WHILE ATTEMPTING TO (DMS COMMAND STATEMENT) DMR ERROR XXXXXX OPERATOR MUST RESCHEDULE THIS JOB VIA ST KEYIN	Call Programming Branch for assistance as soon as possible. Save any output listings that come out. This will help in diagnosis of the problem. After the problem has been resolved, restart runstream for immediate execution.
2. CRF ARCHIVAL ERROR ERROR OCCURED IN (SUBR NAME) WHILE ATTEMPTING TO (DMS STATE-MENT) RUN-UNIT ROLLBACK HAS OCCURED DMR ERROR XXXXXX OPERATOR MUST RESCHEDULED THIS JOB VIA A ST KEYIN	Check the DMR ERROR value. If the first two digits = 03 or 13, check to see if TIMER is down or a QUICK REC is in progress. Reinitiate TIMER if TIMER is down or wait till QUICK REC FINS and then restart runstream for immediate execution. Otherwise, contact Programming Branch as soon as possible. Save any output listings.
3. THIS REEL DOES NOT MATCH CURRENT REEL NUMBER *****PLEASE CHECK TAPE***** THIS REEL NUMBER IS XXXXXX	This reel mounted is not the reel which was requested. Check the reel number. If the current reel number (requested) is the same as the reel number of the mounted tape, contact Programming Branch as soon as possible.
4. INVALID KEY ERROR IN MASS STORAGE FILE CALL FOR ASSISTANCE	Contact Programming Branch as soon as possible. Possible problem with mass storage FILE XDB*CRF-INDEX.
5. CSF ERROR XXXXXXXXXXXX	This message appears in conjunction with other messages.

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Program <u>CRFARCH</u>

Date <u>24 November 1981</u>

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ABNORMAL RUN INSTRUCTIONS (Continued)

<u>Console Message</u>	<u>Operator Action</u>
6. ERROR WAS MADE IN ATTEMPTING TO ASSIGN OR FREE TAPE MAKE SURE THAT 2 TAPE UNITS TYPE 16N IS UP TYPE IN R WHEN READY OR T TO TERMINATE RUN IF RUN IS TERMINATED, THIS JOB MUST BE RESCHEDULED VIA AN ST XDB*CRFARCH/XQT,,,DMS/DMS	Self explanatory. If problem persists, contact Programming Branch.
7. DMS ERROR - CALL DATA BASE SECTION FOR ASSISTANCE SAVE ANY OUTPUT LISTING	This message appears whenever any DMS error occurs.
8. NTRAN ERROR*UNIT$ IS NOT AVAILABLE FOR NTRAN	NTRAN in PASARCH uses UNIT #11 for tape I.O. Some other program is currently using tape #11. Wait a few minutes and restart for immediate execution. If problem persists, contact Programming Branch. Obtain list of other programs in core.
9. ERROR IN CALLING CSF ERROR STATUS IS XXXXXXXXXXXX	Operator must reschedule this job via ST keyin. Enter the following: ST XDB*CRFARCH/XQT

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